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WRIGHT STATE UNIVERSITY

Research News

Office of Research Development

December, 1972

Vol. V, No. 6

NEW GRANTS

Dr. Sue Cummings has received a \$2,500 grant (Project #237) through the Frederick Gardner Cottrell Program of the Research Corporation for study on "Potential Oxygen-Carrying Thioiminato Metal Complexes."

Dr. Frank Harris received a similar grant from Research Corporation (Project #236) for research on "Soluble Polyimides."

LOOKING BEHIND TO SEE AHEAD

Have you ever been frustrated and disappointed by the announcement of a proposal deadline? Perhaps your course schedules and assignments are such that you can not respond. If this is the case and you are interested in the research or training area of the announcement, call the Office of Research Development. Some programs have only one deadline per year and others have several. Your schedule may permit you to prepare a proposal and respond well in advance of a later deadline.

STIPENDS FOR STUDENT RESEARCH IN SOCIAL WORK

The Division of Manpower for Training Programs in the National Institute of Mental Health provides grants to support non-credit research experience for students who are working toward their master's degree in social work. Funds may cover stipends of \$600 per trainee for a two-month program in institutions with graduate programs in social work. Deadline for application is February 1, 1972.

N.S.F. INSTRUCTIONAL
SCIENTIFIC EQUIPMENT

Although there has been no date established as a deadline for submission of proposals on the National Science Foundation Instructional Equipment program it will probably be sometime in February.

On the basis of fall enrollment, Wright State University will be eligible to submit five (5) proposals with a maximum of \$20,000 per request which must be matched on a 50-50 basis from capital equipment funds of the department requesting support.

Major items of equipment should constitute the request with assurances that space is available and the departmental instruction has reached a level of sophistication requiring the equipment. Interdisciplinary use of equipment improves the proposal.

Awards are usually announced about mid-June.

FORD FELLOWSHIPS
FOR WOMEN

The Ford Foundation will offer 12 faculty fellowships for the 1973-74 academic year for research on the changing role of women in society. The purpose of the fellowships is to facilitate the completion of promising research related to contemporary problems having implications for social policy and action. There is a possibility of future year funding.

Nominations must be submitted by department chairmen or Deans to whom the necessary forms will be supplied by the foundation. A doctorate or equivalent research training or experience plus the fact that they must be a faculty member of a college are basic requirements.

SUMMER INSTITUTES
FOR H.S. SCIENCE
TEACHERS

8,400 High School Teachers will be participating in the NSF funded Summer Institutes. Those in Ohio are:

Antioch College.....	Department Chemistry \$73378
Bowling Greene State U...	Department Chemistry \$46008
John Carroll U.....	Department Physics \$6591
Kent State U.....	Department Mathematics \$59721
Miami Univ.	Department Chemistry \$23418
Ohio State U.....	Department Mathematics \$67929
Ohio State U.....	Department Geology & Mineralogy \$55561
Ohio State U.....	Department Science Education \$53824
Ohio Univ.....	Department Mathematics \$41285
U. of Cincinnati.....	Department Biology \$53344
U. of Dayton.....	Department Mathematics \$41097

UNDERGRADUATE AND
GRADUATE PROGRAMS
IN SOCIAL WORK

The Social & Rehabilitation Service, U.S. Department HEW provides grants to assist in the development, expansion, or improvement of undergraduate programs in social

work; programs for graduate training of professional social work personnel; combined undergraduate - graduate education for social work reflecting structural and curriculum relationships, and programs for the advancement of undergraduate and graduate education for social work conducted by education associations.

Deadline for application will probably be sometime in January or February.

WATER RESOURCES
RESEARCH

The Office of Water Resources Research, U.S. Department of Interior awards grants and contracts for urgently needed research

in certain priority areas related to water resources.

These priorities include: urban & metropolitan water resources problem; analysis of organizations and operation of water resources institutions; environmental considerations in water resources planning & management; evaluation of current projects, and their resultant benefits; economic importance of different uses of water; analysis of hydrologic systems; water resources policy and potential institutions; ground water management & protection; protection and rehabilitation of estuarine resources; thermal loading problems; and water demand considerations.

Deadline for proposals is estimated to be January 10, 1973.

SPECIAL SCIENTIFIC
PROJECT AWARDS
NLM

The National Institutes of Health, through the National Library of Medicine, makes awards to support scholarly projects which involve analysis, evaluation, and synthesis

of major scientific, social, legal, or cultural aspects related to health fields. Funds are provided to enable recipients to undertake such studies, literature review and other necessary research.

Deadline for application is February 1, 1973.

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MENTAL HEALTH,
RESEARCH, PROJECT,
AND SMALL - GRANTS
PROGRAMS

The U.S. Public Health Service, through the National Institute of Mental Health, supports research projects through Research Grants, Project Grants, and a small Grants programs.

The research grants support basic, clinical, and applied research in the causes, prevention, diagnosis, and treatment of mental disease.

Research areas include: -

Behavioral sciences involving neuropsychology and psycho-physiology as they relate to the behavior of the central nervous system including biochemical, anatomical, and physiological studies.

Behavioral sciences involving experimental, comparative, and physiological psychology as they relate to the learning theory, verbal learning, conditioning, memory, perceptual processes, ethology, animal behavior, and behavioral genetics.

Behavioral sciences involving personality, motivation, and cognitive processes as they relate to personality structure, dynamics, and development; human motivation, stress, and emotional processes; attitude formation and change; human cognitive processes in problem solving, thinking, intelligence, decision making, concept formation, creativity, psycholinguists, and communication.

Behavioral sciences involving the social science areas relevant to mental health such as : culture and personality, cross-cultural factors, socialization, family structure, social structure and dynamics, social change, and ethnosocio-linguistics.

There are additional programs in Clinical Research, Applied Research, Psychopharmacology, Epidemiology, and Metropolitan Problems.

Deadline for application for these programs is February 1, 1973.

GEOLOGICAL
SOCIETY GRANTS

The Geological Society of America offers Research Grants within the interests of the Society. The deadline for applications is February 15, 1973 (in hand). Announcement of Awards to be made in April.

Where there's a will, there's usually a won't!

HIGHWAY SAFETY FELLOWSHIPS

The Federal Highway Administration has announced January 2, 1973 as the deadline for applications to be submitted

for the Highway Safety Fellowships.

Graduating seniors who have an interest in highway safety will be given consideration.

Approximately 45 fellowships of \$5,000 each will be awarded for 1973-74 academic year.

Traffic Safety Agency Lists Research Projects for Fiscal 1973

The National Highway Traffic Safety Administration's Research Institute has published a list of research areas which it has interest in developing during fiscal 1973. All of the areas listed below will not materialize into requests for research proposals, but the Institute plans to issue solicitations for proposals on an individual basis throughout the remainder of the current fiscal year, if and when they are warranted.

The list includes the following: alcohol involvement and human errors in pedestrian accidents; death susceptibility in intoxicated crash victims; extent and nature of alcohol as a factor in nonfatal crashes; driving simulation requirements; effects of drugs on driving performance; utility of alcohol self-testing devices; remote sensing of impaired drivers; causative factors and countermeasures for rural pedestrian accidents; threat detection training for children; traffic safety education curriculum requirements; elementary school driver education; young adult driver education; decision-making testing; risk-taking propensity; physical and medical test requirements; vehicle handling skill test requirements; driver diagnostic procedures; driver grading licensing procedures; legal and community programs; mathematical reconstruction of accidents; side impact intrusion; and causes of single vehicle accidents.

Other areas: recreational vehicle accidents; environmental involvement study; accident trend models; theft protection effectiveness; selection of highway safety measurement areas; pedestrian accident analysis; vehicle performance rating; exposure data acquisition; supplementary data acquisition; fatality analysis file; national accident summary; scientific and technical information cataloging; in-depth accident investigation files; interstate exchange needs study; driver register data conversion; passenger car handling; articulated vehicle stability; truck and bus handling; wheel and rim study; tire retread study; and motorcycle conspicuity.

And more: headlighting factors and nighttime; motor vehicle light failure countermeasures; rear signalling and lighting; motorcycle lighting; seat belt controls; advanced control systems; controls and aids for physically handicapped drivers; vehicle controllability; examination of the safety impact of speed controls; nitrogen oxides penetration and effects on drivers; driver performance in emergency situations; motorcycle controls and displays; driver performance measuring and analysis systems; feasibility studies on long-term safety research; post-crash factors data base; application studies; intervehicular traffic mix research; energy absorbing systems for subcompact automobiles; composite materials for automobile side structures; subcompact car driver and front seat studies; standard size car front seat occupant studies; development of improved bag inflation techniques; mass distribution of childhood population computation; mass distribution of general population computation; vehicle exteriors and pedestrian injury prevention; establishment of a data base for test sled crash data; air bag restraint for pregnant women; automotive crash recorders; effects of system and component degradation on vehicle performance; motor vehicle inspection evaluation projects; and vehicle inspection equipment studies.

RESEARCH PROJECT
GRANTS - NIH

of the institutes.

The National Institute of Health, through the various institutes, supports research projects that are in line with the goals

The institutes making up the NIH include:

National Institute of Allergy and Infectious Disease
National Institute of Arthritis and Metabolic Diseases
National Cancer Institute
National Institute of Child Health and Human Development
National Institute of Dental Research
National Institute of Environmental Health Sciences
National Eye Institute
National Institute of General Medical Services
National Heart and Lung Institute
National Institute of Neurological Diseases and Stroke
National Library of Medicine
Division of Nursing, Bureau of Health Manpower Education

Deadline for application is February 1, 1973.

NATIONAL RESEARCH
COUNCIL - ASSOCIATESHIPS

The National Research Council has announced that applications for postdoctoral and senior postdoctoral associateships

must be submitted before January 15, 1973.

NRC Postdoctoral Research Associateships offer temporary Civil Service appointments providing opportunity for basic research and advanced training in Federal laboratories to qualified Scientists and Engineers. Eligibility requires that applicant have less than five (5) years postdoctoral experience and be a U.S. citizen. Stipends are \$13,309.

NRC Postdoctoral Resident Research Associateships are quite similar but have stipends at \$13,500 except for Natick Laboratories where the stipend is \$13,000.

Senior Associateships are for those with at least five (5) years of postdoctoral experience. Awards are based on individual qualifications.

Inquiries must be submitted prior to January 5, 1973.

Final date for application is January 15, 1973.

Facilities involved are: Agricultural Research Service, Bureau of Medicine & Surgery, Bureau of Mines, National Bureau of Standards, Naval Ordnance Laboratory, Naval Undersea Center, Naval Weapons Center, and the U. S. Geological Survey.

Resident and Seniors Associateships are also available at: Air Force Systems Command, Ballistic Research Laboratories, Naval Research Laboratory, Smithsonian Astrophysical Observatory, Feltman Research Laboratory, U. S. Army Materials and Mechanics Research Center, U. S. Army Natick Laboratories, National Oceanic & Atmospheric Administration, and National Aeronautics & Space Administration.

REHABILITATION

Recent statistics show that there were 10,092 persons receiving State-Federal vocational rehabilitation services in Ohio. The state ranked thirteenth in the number rehabilitated but it was 48th with a rate of 94 per 100,000 population and 44th with a rate of 168 per 10,000 of disabled. The national figure shows 326,138 rehabilitations which is a 12% increase over FY 1971. Some 51,084 of these had been public assistance recipients at some period during rehabilitation.

SUMMER PROGRAMS NSF-COLLEGE SCIENCE TEACHING

More than 1,350 teachers from institutions of Higher Education will attend summer institutes in the sciences at forty-five schools in twenty-five states.

Case Western Reserve University is the only Ohio institution offering a program. CWRU will receive \$64,699 to conduct a program in Physical Sciences through the Division of Macromolecular Science.

There were no short course programs funded in Ohio.

GSA EXCESS PROPERTY

Latest report indicates that the so called "utilization program" which permits grantees to obtain excess Federal property for use in furtherance of their Federal grant, will be continued pending further study. Agencies involved in this study include GSA, HEW, SBA, EPA, NSF, OEO, ACTION, Department of Commerce, and Office of Management Budget.

ANNUAL REGISTER

The 1972 Annual Register of Grant Support has been received by the Office of Research Development.

This information is being reviewed to ascertain possible new, untapped sources of W.S.U. support. A number of new sources are reported and a similar number of old sources have been deleted. Most deal with private institutions only.

Only a rat wins in a rat race!

Defense Research Hit Hard by Congress

A sharp cut in the funding of research by the Department of Defense appears to be the only aspect of Congressional appropriations action that is worrying science planners this year.

In the session just ended, Congress cut the Nixon budget request for "military sciences" by more than \$60 million, a substantial reduction that is expected to be felt most heavily in the universities and in some parts of industry. The "military science" category includes basic and applied research, some exploratory development, and some construction of facilities. According to figures supplied by OST, the Defense Department obligated \$538 million for military sciences in fiscal 1972. It requested a 6.5 per cent increase to \$573 million in fiscal 1973, an amount calculated to keep pace with inflation, but Congress, in a budget-cutting mood, refused to grant any more than \$510 million, which was not only less than the budget request, but less than the previous year's total as well.

John D. Baldeschweiler, deputy director of OST, calls the military science reduction "a serious loss" which no other agency is immediately prepared to pick up. He says the magnitude of the loss can be appreciated by recognizing that NSF's entire budget for project support is only about \$275 million.

In explaining the reasons for the military science

cuts, the House Armed Services and Appropriations Committees complained that DOD made little effort to avoid duplication of work in contracts with academic institutions and industry or in its own laboratories. They also suggested that the expansion of research funding by other agencies and by the private sector lessened the need for Pentagon support of basic science.

For R&D in all the government agencies, Congress appropriated funds in fiscal 1973 that were some 7 per cent higher than the comparable totals for fiscal 1972. A broad brush analysis of the budget situation indicates that the federal government obligated \$16.3 billion for R&D in fiscal 1972; the Nixon Administration requested a boost to \$17.8 billion in fiscal 1973; and Congress, after trimming down the President's request, actually granted \$17.4 billion for fiscal 1973, enough to cover the increased cost of doing research but not enough to finance much expansion. The figures are still somewhat tentative, but the accompanying table indicates the best estimates available in early November of the amount each agency expects to obligate for R&D in fiscal 1973 as compared to the amount actually obligated the previous year. The figures reflect congressional appropriations action but not the possibility that the Nixon Administration may try to impose a spending ceiling below the appropriations level.

Federal R&D Obligations (millions of dollars)

	FY '72 Actual	FY '73 Estimate		FY '72 Actual	FY '73 Estimate
Agric. Dept., total	360.1	384.1	LEAA	19.8	34.2
Agr. Res. Svc.	204.1	212.0	Labor Dept., total	25.1	30.3
Coop. St. Res. Svc.	82.6	90.5	Manpower Admin.	17.7	19.3
Econ. Res. Svc.	16.1	17.5	Bur. Labor Stats.	4.1	5.8
Forest Svc.	55.3	61.9	State Dept., total	18.4	17.2
Commerce Dept., total	181.4	232.4	AID	17.8	16.4
Maritime Adm.	22.2	28.3	Transportation Dept., total	264.4	347.2
Nat'l Bur. Stds.	34.8	51.3	FAA	82.8	75.1
NOAA	112.0	137.3	Fed. Hwy. Adm.	27.0	35.9
Ofc. Minority Bus. Ent.	.5	2.1	Fed. RR Adm.	31.4	62.9
Ofc. Telecomm.	3.6	5.3	NHTSA	52.7	63.9
Defense Dept., total	7996.1	8326.4	Ofc. of Sec.	28.5	38.5
Military Sciences	538.0	510.0	Coast Guard	14.5	17.5
HEW, total	1805.2	2065.2	UMTA	27.5	45.0
FDA	30.0	49.0	Treasure Dept., total	1.0	1.0
HSMHA	249.0	259.0	AEC	1298.0	1383.0
Nat. Inst. Ed.	—	110.0	EPA	161.8	178.6
NIH	1308.0	1478.0	Library of Congress	2.4	2.4
OE	130.0	70.0	NASA	3242.1	3331.1
Soc. Rehab. Svc.	64.1	64.1	NSF	454.0	509.2
HUD, total	42.9	53.0	OEO	46.9	79.7
Interior Dept., total	220.5	269.3	OST	2.0	2.1
Bur. of Mines	70.4	78.0	Ofc. Telecomm. Policy	.8	1.3
Bur. of Recl.	10.2	10.2	Postal Svc.	37.8	33.7
Bur. Spts. Fish. Wildlife	21.7	23.1	Smithsonian Instit.	22.9	25.6
Geol. Survey	53.1	69.2	ACDA	1.6	2.2
Ofc. Coal Res.	20.3	36.9	VA	71.1	80.6
Ofc. Saline Water	24.8	28.8	Special Action Office (drugs)	—	20.0
Ofc. Water Resources Res.	14.3	16.3			
Justice Dept., total	23.6	38.8	Total, all agencies	16298.7	17440.9

CALENDAR OF DEADLINES

DECEMBER

	<u>.Guide No.</u>	<u>Deadline</u>
Danforth Foundation-Underwood Fellowships	326	10
Preparation of Professional Personnel to Educate Handicapped Children - Institutional Application & State Plan	D 1	probably 15
Research & Demonstration Grants (Office of Child Development		15
Language and Area Studies	E45	15
Danforth Foundation - Hunt Fellowships for Graduate Study	36	15
Special Education Programs in University - Affiliated Facilities for the Mentally Retarded	D 5	probably 15
Cooperative Arrangements in Vocational Education- State Plan	D63	15
Research in Modern Foreign Language Instruction	E31	estimated 15
Development Programs in Medical Education TB & RDA		15
Scholarships for Students in the Health Professions 1973-74	F83	15
Health Professions Student Loans	F87	15
Training & Traineeships for Health Professions Teaching Personnel	F85	15
East West Center	L65	15
White House Fellows	O17	15
Loans to Student Nurses	F65	15
Scholarships to Student Nurses	F69	15
Exemplary Programs & Projects in Vocational Education	C31	16
Discretionary Programs & Projects in Vocational Education	C47	16
Huntington Library Fellowships		31
Rome Prize Fellowships		31
Equipment & Materials to Improve Undergraduate Instruction - to State by Dec. 31	E 1	31
Faculty Research Participation at AEC Laboratories	M11	31
State & Local Intergovernmental Science Policy Planning Program	N45	31
Organization of American States - Fellowships		31
Interinstitutional Cooperative Research Abroad	E43	31
East European Studies, ACLS-SSRC Grants		31

DECEMBER (cont.)

	<u>Guide No.</u>	<u>Deadline</u>
Soviet Studies - ACLS-SSRC Grants		31
Institute for Advanced Studies, Mathematics & Natural Sciences		31

JANUARY

Graduate Fellowships for Women - The Danforth Foundation	34	1
Cintas Fellowships - Institute for International Education	122	1
Research Grants - National Association of Broad- casters	306	1
Research Participation Program - AEC	472	1
American Congress of Surveying and Mapping -Wild Heerbrugg Geodetic Fellowship Award	545	1
Keuffel and Esser Fellowship in Surveying	546	1
American Society of Heating, Refrigeration, & Air Conditioning Engineers, Inc. -Grants-in-Aid	552	1
-Institutional Grants	553	1
Muscular Systrophy Association of America, Inc. Fellowships	587	1
Grants-in-Aid	588	1
Allied Health Professions, Special Projects	F 5	1
Professional Nurse Traineeships (short term)	F57	1
Training in Family Medicine	F82	1
Commissioned Officer Student Training & Extern Program (Summer)	G117	1
Training and Curriculum Development in the Field of Aging	H 5	1
MDTA Research Projects	K58	1
Manpower-Related Doctoral Dissertation Grants	K60	1
Summer Research Participation at AEC Laboratories	M 9	1
Education Programs (Development)	M64	1
Post Doctoral Appointments - National Center for Atmospheric Research	N95	1
Woodrow Wilson International Center for Scholars	O35	1
Veterinary Medical Resident Investigators	O57	1
Rotating Dental Internships and Residency Training	O64	1
Bilingual Education for Children from Low- Income Families	C87	probably January

JANUARY (cont.)

	<u>Guide No.</u>	<u>Deadline</u>
Special Fellowships in Nursing Research	F53	2
Postdoctoral and Special Research Fellowships, NIH	F99	2
Fellowships in Laboratory Animal Science	F129	2
Postdoctoral & Special Research Fellowships in Health Communications	F133	2
Research Fellowships - Health Service	G74	2
School Construction in Areas Affected by Federal Activities	C93	tentative 10
Water Resources Research	L17	estimated 10
Special Services for Disadvantaged Students in Institutional of Higher Education	D129	Mid Jan.
Upward Bound	D133	Mid Jan.
Educational Talent Search	D137	Mid Jan.
Child Service Demonstration Program	D 8	probably 15
Centers & Services for Deaf-Blind Children	D17	probably 15
Assistance to Nursing Schools in Financial Distress	F47	15
Special Projects to Improve Nurse Training	F49	15
Full Utilization of Educational Talent for the Nursing Profession	F67	15
Start Up Grants for New Nurse Training Programs	F60	15
City Planning and Urban Studies Fellowships	K91	probably 15
Postdoctoral Research Associateships-NRC	M69	15
Graduate Fellowships in the Atmospheric Sciences	N94	estimated 15
Smithsonian Fellowships	O26	15
Smithsonian Predoctoral Fellowships	O27	15
School Maintenance & Operation in Federally Affected Areas (RSF-1)	C97	31
Refugee Assistance Program	C106	31
NATO Senior Fellowships in Science	N41	31
Health Professions Capitation Grants	F75	estimated 31
Child Welfare Training Grants	H13	possibly January
Development & Expansion of Undergraduate & Graduate Programs in Social Work	H41	possibly January

FEBRUARY

Loans for Construction of Academic Facilities	D79	1
Annual Interest Grants Program	D83	1
General Purpose Public Health Traineeships	F21	1

FEBRUARY (cont.)

	<u>Guide No.</u>	<u>Deadline</u>
Project Grants for Public Health Training	F37	1
Nurse - Scientist Graduate Training	F54	1
Nursing Research Projects	F55	1
Special Health Careers Opportunity Grants	F89	1
Research Project Grants - NIH	F103	1
Training Grants - NIH	F107	1
Biotechnology Resources	F125	1
General Clinical Research Centers - NIH	F126	1
Projects to Support Animal Resources	F127	1
Training in Laboratory Animal Medicine	F128	1
Medical Library Science Research Projects	F131	1
Training in Biomedical Communications	F132	1
Special Scientific Project Awards -NLM	F134	1
Biomedical Publications Grants	F135	1
Mental Health Research Grants	G1	1
Mental Health Program - Project Grants	G3	1
Mental Health Small Grant Program	G4	1
Special Training Projects in Mental Health	G18	1
Stipends for Senior Mental Health Specialists	G21	1
Short-Term Training in Psychiatric Nursing	G28	1
Stipends for Student Research in Social Work	G34	1
Metropolitan Problems	G35	1
Minority Group Mental Health Programs	G36	1
Mental Health Epidemiology - Metropolitan Mental Health Problems	G37	1
Academic Career - Teacher Awards (Medical) in Narcotic Addiction & Drug & Alcohol Abuse	G38	1
Career Teacher Training Center	G39	1
Training for Health & Health Related Pro- fessionals in Narcotic Addiction & Drug Abuse	G40	1
Clinical Investigator Awards in Narcotic A Addiction & Drug Abuse	G41	1
Academic Career-Teacher Awards in Narcotic Addiction & Drug Abuse	G42	1
Research on Narcotic Addiction & Drug Abuse	G43	1
Drug Abuse Education Projects	G45	1
Alcohol Abuse & Alcoholism	G47	1
Mental Health of Children & Families	G49	1
Mental Health of Aging	G51	1
Studies of Crime & Delinquency	G55	1
Exploratory Research Grants	G68	1

FEBRUARY (cont.)

	<u>Guide No.</u>	<u>Deadline</u>
Research Project Grants	G69	1
Development & Demonstration Projects (Grants)	G72	1
Training Grants	G73	1
Community Environmental Management Research	G105	1
Community Environmental Management Graduate Training	G106	1
Community Environmental Management Fellowships	G107	1
Occupational Safety & Health Research	G108	1
Occupational Safety & Health Research Graduate Training	G109	1
Radiological Health Research	G110	1
Radiological Health Training	G111	1
Agricultural Research - Ag. Res. Serv.	K34	1
Radiation Research	M36	1
Solid Wastes Research & Demonstration	M37	1
Solid Waste Training	M39	1
Radiation Training	M46	1
U.S. Antarctic Research Program	N60	1
Smithsonian Institute Foreign Currency Program Astrophysics & Earth Sciences	O31	1
Instructional Scientific Equipment Program	N17	probably Feb.
Environmental Education Program	E95	probably Feb.
Child Welfare Training Grants	H13	probably 15
Development & Expansion of Undergraduate & Graduate Programs in Social Work	H41	probably 15
Health Professions Capitation Grants	F75	probably 15
Model Preschool & Early Education Programs for the Handicapped	D9	probably 15
Traineeships for Residency Training in Pre- ventive Medicine & Dental Public Health	F25	15
Biomedical Science Support Grants	F121	estimated 15

"SEASON'S GREETINGS,

HAPPY HOLIDAYS, AND

A BRIGHT NEW YEAR"

RONALD G. SCHMIDT

Dr. Ronald G. Schmidt, Associate Professor of Environmental Science and Geology and Director of the Office of Environmental Studies, is in his third year at Wright State University. During his first two years, Dr. Schmidt has served as Director of the Environmental Inventories of the Caesar Creek and East Fork Research Projects. This is an interdisciplinary effort of W. S. U. biologists, geographers and geologists under a grant of \$43,173 from the Army Corps of Engineers. He is also the project director of the "Biologic Survey of the Great Miami River," which is funded jointly by the Miami Conservancy District and W. S. U. for \$12,569.

Dr. Schmidt brings considerable interdisciplinary and applied research experience to W. S. U. While still a student at Columbia University, he worked as a geologist in New Mexico under contract for the United States Atomic Energy Commission through Columbia University. After receiving his B. S. from Columbia, he continued on to the Master's Program there, again gaining invaluable experience as a Technical Officer for the Canadian Geological Survey in the summers of 1953 and 1954 prior to graduation in 1955. While working for his Ph. D. at the University of Cincinnati, Dr. Schmidt also worked for the Standard Oil Company of Texas in 1956.

After receiving his Ph. D. from the University of Cincinnati in 1956, Dr. Schmidt accepted an appointment as an Assistant Professor of Geology at that University. During his six years at the University of Cincinnati, he founded his own company. In 1959, he established Earth Science Laboratories, Inc., a firm which later gained national reputation for its work, particularly in the area of gas storage. From the time Dr. Schmidt left the University of Cincinnati in 1963 until 1970, he served as President and Principal Administrative Geologist for Earth Science Laboratories, Inc.

Dr. Schmidt's concern for environmental education, particularly through interdisciplinary approaches, brought him back into university education in 1970 when he accepted his appointment at W. S. U. His twelve years of experience as a professional hydrogeologist, engineering geologist and resource planner gave him strong incentive to pursue interdisciplinary approaches to problem solving.

Dr. Schmidt is also much involved in university, community and other professional activities. For example, he was called upon in 1970 to use his resource planning abilities on the development of a new 100,000 acre city in eastern Florida. In the town where he lives, Yellow Springs, he has worked on numerous occasions with community leaders on effective land use management and sewage disposal problems. This community involvement represents a continuing interest by Dr. Schmidt as would be testified

by fourth grade students at North Avondale in Cincinnati, where he provided them with a short course in geology under a pupil enrichment program. This program was the result of the effort of the steering committee for overall education planning in North Avondale, of which Dr. Schmidt was a member. Recently he was appointed a member of the Board of Trustees of the Water Management Association of Ohio, where he will continue to contribute to the beneficial development and conservation of Ohio's water resources.

Dr. Schmidt's professional activities are numerous. Among the many professional and honorary groups to which he belongs are the American Water Resources Association, the Geological Society of America, of which he is a charter member of the Engineering Geology Section in Hydrogeology, and the Water Management Association of Ohio, of which he is a trustee (1972-75). He holds professional registration in the American Institute of Professional Geologists and the California Board of Registration for Geologists. A highlight of his professional career was his presentation of a paper entitled, "The Economics of Exploration for Gas Storage Within Underground Aquifers," at the Annual Meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers in 1968.

His activities at Wright State University reflect his strong involvement in program development and emphasis on interdisciplinary education. Besides serving on numerous faculty committees in geology and engineering, he also represents Science and Engineering on the Urban Studies Committee. The Material Science and Engineering Committee and the Research Committee for the Division of Graduate Studies for the Dayton-Miami Valley Consortium also find Dr. Schmidt lending his expertise. The development of environmental programs as applied to all state-supported universities in Ohio was the purpose of the Regents Inter-University Committee on Environmental Quality, upon which Dr. Schmidt has served since its beginnings in 1970.

Instant recall, once a sign of intelligence, is
now just a sign of the times and Nader influence.

IZAAK WALTON KILLAM MEMORIAL POSTDOCTORAL FELLOWSHIPS

DEADLINE - JANUARY 1

Dean, Faculty of Graduate Studies
The University of Alberta
Edmonton, Alberta
CANADA

Fields: Unrestricted.

Qualifications: Awards are tenable only at the University of Alberta and students who have achieved their Doctor's degree from that University are not eligible.

Period: Appointments are for 2 years.

Stipend: \$7500 for single persons or married with no children, \$8700 for married with child or children; plus travel expenses in the amount of return economy air fare. Departments may offer an additional stipend of up to \$2500 if the Fellow teaches a full formal course as part of his duties. All stipends are subject to Canadian income tax.

Number: Six or seven a year.

Note: Applications must include curriculum vitae, transcripts of academic record and three letters of recommendation. Applicants should simultaneously contact the department in which they wish to work.

BELGIAN AMERICAN EDUCATIONAL FOUNDATION, INC. FELLOWSHIPS

DEADLINE - JANUARY 10

Belgian American Educational Foundation, Inc.
420 Lexington Avenue
New York, New York 10017

Fields: Diverse fields.

Purpose: For representative American scholars to pursue study and research in Belgium, on a project for which Belgium provides special advantages.

Qualifications: American citizenship, and speaking and reading knowledge of French or Flemish. Candidates must be holders of the Ph.D., or equivalent degree, or faculty.

Preference given to those under 35.

Period: From 6 to 10 months.

Stipend: \$350 monthly, with allowances for necessary travel. (This stipend is judged to be adequate for a single individual, but additional funds of not less than \$150 per month must be provided from other sources if the Fellow is to be accompanied by wife, or by wife and family.)

Number: Not specified.

Note: Nominations for fellowships are to be made by the Dean of the Graduate School in which the candidate is studying or teaching. Further information may be secured by writing to the Foundation at the above address.

Music is the shorthand of emotion. Leo Tolstoy

ANDREW MELLON POSTDOCTORAL FELLOWSHIPS

DEADLINE - JANUARY 15

Director of Graduate Programs
Faculty of Arts and Sciences
University of Pittsburgh
Pittsburgh, Pennsylvania 15213

Fields: Classics, English, philosophy, fine arts, music, modern languages, history, sociology, anthropology, mathematics, physics, biophysics, and microbiology.

Purpose: To support the research and foster the professional development of the Fellows who are expected to engage in research and writing, and who are expected to be in Pittsburgh throughout the period of their appointment.

Qualifications: Young scholars who give promise of achieving distinction in their fields.

Period: 11 months. 9-month appointments are also available.

Stipend: The fellowships carry a basic stipend of \$7,000 for 11 months, plus the following supplement: an allowance of \$500 each for 1, 2 or 3 dependents; traveling expenses up to \$200 from the Fellow's home to Pittsburgh and return (or from point of entry into the US); incidental costs of research. 9-month appointments are also available at a stipend of \$5,800 and an allowance of \$400 for each dependent.

Number: Not specified.

Note: Applicants should submit a completed application form, a research proposal, a list of publications, and 3 letters of recommendation. Awards made by March 1.

LIBERAL ARTS FELLOWSHIPS IN LAW

DEADLINE - JANUARY 15

Liberal Arts Fellowships in Law
Harvard Law School
Cambridge, Massachusetts 02138

Fields: The social sciences and humanities which are directed toward study of the law.

Purpose: The purpose of these fellowships is to enable teachers in the social sciences or humanities to study fundamental techniques, concepts, and aims of law, so that, in their teaching and research, they will be better able to use legal materials and legal insights which are relevant to their own disciplines.

Qualifications: Fellowships are for college or university teachers in the arts and sciences. There are no special application forms, and applicants should send a curriculum vitae (including academic record and a list of publications), a statement explaining what they hope to achieve through their year of study, and 2 letters of recommendation.

Period: 1 year.

Stipend: Tuition and fees. Assistance in obtaining funds from other sources will be given to qualified applicants.

Number: 4 or 5.

Note: Fellowship holders will presumably take at least 2 first-year courses in law, in addition to more advanced courses, and will participate in a joint seminar. The year of study will not count toward a degree.

EDUCATIONAL OPPORTUNITIES IN GRADUATE AND POSTDOCTORAL
STUDIES AT THE SMITHSONIAN INSTITUTION

DEADLINE - JANUARY 15 FOR EACH
SUBSEQUENT ACADEMIC
YEAR

Office of Academic Studies
Room 356, SI Building
Smithsonian Institution
Washington, D. C. 20560

(A) Smithsonian Fellows

Fields: Research in science, the humanities, and the arts.

Purpose: Offers appointments to those who wish to pursue postdoctoral research assignments in collaboration with a member of the professional research staff of the Institution.

Qualifications: Possession of the Ph.D. or equivalent degree. Appointments with stipends are generally limited to those who have received the degree within 5 years of commencing tenure at the Institution.

Period: Most appointments are for 12 months; however a minimum tenure of 6 months at a Smithsonian facility is required of those appointments carrying stipends.

Stipend: A limited number of stipends of \$10,000 per annum, supplemented by allowances for research expenses and travel will be offered on a competitive basis.

Number: About 22 annually.

(B) Smithsonian Predoctoral Fellows

Fields: Research in science, the humanities, and the arts.

Purpose and Qualifications: Appointments are available to students recommended by universities where they have substantially completed formal course requirements for the doctorate or equivalent degree, to conduct research, the satisfactory completion of which is expected to result in the award of that degree. Projects will be approved in advance by a Smithsonian staff member who will serve as the Fellow's advisor and must relate to the research and interests of the professional staff.

Period and Stipend: A limited number of stipends of \$5,000 for a 12-month period, plus allowances for research expenses and travel will be offered on a competitive basis. 6 months is the minimum period for appointments carrying stipends. The Institution's capacity to offer appointments for more than 12 months is severely limited and renewal requests will be considered as new applications.

Number: About 22 annually.

(C) Short Term Visits

Note: Financial support to a very limited extent is available for students and scholars wishing to utilize the facilities of the Institution on a short-term basis. Inquiries should be directed to the Office of Academic Studies at the Smithsonian Institution.

James, Baldwin, Nussbaum, Carmany, Cohan, et al.

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THE ARNOLD W. BRUNNER SCHOLARSHIP

DEADLINE - JANUARY 1 APPLICATION
FORMS AVAILABLE

New York Chapter
American Institute of Architects
20 West 40th Street
New York, New York 10018

- JANUARY 15 FOR RECEIPT
OF PROPOSALS

Fields: Architectural investigation.

Purpose: To further the development of architecture in the US by granting 1 or more scholarships, usually annually, for advanced study in some special field of architectural investigation which, in the judgment of the Chapter, will most effectively contribute to the practice, teaching, or knowledge of the art and science of architecture.

Qualifications: Any citizen of the US engaged in the profession of architecture and its related fields, who has a professional background more advanced and broader in scope by actual experience than is generally implied by four or five years of architectural school training.

Period: Under normal conditions the scholarship must be completed within 1 year from the date of the grant.

Stipend: \$10,000.

Number: 1 or more.

Note: An entry fee of \$5 must accompany the application.

(I) ACLS-SSRC GRANTS FOR STUDY OF EAST EUROPEAN LANGUAGES

Fields: Study of languages of Albania, Bulgaria, Czechoslovakia, Modern Greece, Hungary, Poland, Romania, and Yugoslavia.

Purpose: To enable the mature specialist in East European studies to gain fluency in another language of the area, to assist the non-East European specialist who intends to apply his discipline to the area to gain proficiency in a language of the area, or to enable the young postdoctoral specialist to strengthen his proficiency in the language of his interest.

Qualifications: US or Canadian citizenship or permanent residency; faculty members with Ph.D. or equivalent who are specialists or intend to become specialists in East-Central or Southeast European studies. Advanced graduate students are also eligible to apply.

Period: Grants may be used for summer study abroad or for enrollment in intensive language courses in this country.

Stipend: Will include equivalent of overseas group travel and subsistence at one of the summer language centers for foreigners available in most East European countries; maximum award \$1,000.

Number: Not specified.

Note: Awards announced within two months after deadline.

Deadline: February 1

Ring out the Bells! Don and Ruth

Bring out the Holly: Castle and Sheffield